

Cat. No. 40-4068

## STS 800 8-Inch Three-Way Tower Speaker

Your Optimus STS 800 8-Inch Three-Way Tower Speaker is a three-way acoustic suspension speaker that uses an 8-inch vacuum-formed polypropylene woofer that yields excellent low-end response and tight, clean bass. A 5-inch polypropylene midrange provides accurate midrange response, and a  $\frac{3}{4}$ -inch Mylar<sup>®</sup> dome wide dispersion tweeter provides clear and natural high-frequency sound reproduction.

The speaker cabinet is solid in construction and finished in genuine wood-grain vinyl.

The decorative grille is acoustically transparent.

**Note:** You need speaker wire (not supplied) to connect your speaker. Please read through this entire manual before you connect your speaker.

### SPEAKER PLACEMENT

#### Cautions:

- To prevent the cabinet from warping or discoloring, do not place the speaker where it is exposed to direct sunlight or excessive humidity.
- Do not place the speaker where it might be knocked over or hit by falling objects.

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Where and how you position your speaker has a great effect on the overall sound of your system.

For the best stereo effect, position each speaker an equal distance from each other and the center of your listening area.

higher than that of the speaker, but take care never to exceed the speaker's maximum power rating (see "Specifications").

- To avoid any damage to the speaker or amplifier/receiver, turn off the amplifier/receiver before making connections.

Your local RadioShack store has a wide selection of speaker wire. We recommend you use color-coded or marked wire to help you correctly connect the wire. Some color-coded wires have a stripe running down one side of the conductors. Some marked wires have ridges along one side of the conductors.

With a pair of speakers in their approximate locations, measure the distance from each speaker to the amplifier. Use 18-gauge speaker wire or lamp cord for distances up to 50 feet. For greater distances, use 16-gauge wire.

If you must place speakers farther apart than recommended, you can turn them slightly toward each other to achieve a more realistic effect.

For a slight increase in bass response, place your speakers on a shelf or table positioned against a wall or in a corner.

Avoid placing your speakers on a surface that absorbs sound, such as thick carpeting.

Experiment to find the best setup for your sound system.

1. Split apart about 4 inches of speaker wire on each end.

## CONNECTING TO AN AMPLIFIER

### Cautions:

- You can use an amplifier/receiver with a power handling rating

2. Use a wire stripper to strip  $\frac{1}{4}$  inch of insulation from each wire end. Twist the loose wire strands to prevent the wires from shorting.

3. Press the right speaker's negative (–) terminal tab and insert one of the bare wire ends into the opening. Then release the tab.

4. Press the right speaker's positive (+) terminal tab and insert the other bare wire end into the opening. Then release the tab.

5. Insert the other end of the wire you inserted into the right speaker's negative (–) terminal into your amplifier/receiver's right negative (–) speaker terminal.

**Note:** For the maximum bass response and the best performance, be sure your speaker wires are properly connected according to their polarity (+ to + and – to –).

6. Connect the remaining wire to the amplifier/receiver's right positive (+) speaker terminal.
7. Repeat this process to connect another speaker to your amplifier/receiver's left speaker terminals.

## CARE AND MAINTENANCE

Your Optimus STS 800 8-Inch Three-Way Tower Speaker is an example of superior design and craftsmanship. The following suggestions will help you care for your speaker so you can enjoy it for years.

- Handle the speaker gently and carefully. Don't drop it!
- Use and store the speaker only in normal temperature environments.
- To maintain the speaker cabinet's finish, do not let it come in contact with water vapor, alcohol, benzene, insecticide, or similar liquids. Do not place a plastic covering on top of the speaker, as the plastic's color could come off and stick to the finish.

- Clean the speaker cabinet with a soft, dry cloth.

**Caution:** You might permanently damage your speaker by cleaning it with a vacuum cleaner. Instead, use a feather duster or a soft cloth.

- Never touch the speaker elements with your hands or expose them to excessive shocks. If they become dented or bent, the sound distorts.

Modifying or tampering with the speaker's internal components can cause a malfunction and might invalidate your speaker's warranty. If your speaker is not performing as it should, take it to your local RadioShack store for assistance.

## SPECIFICATIONS

Speaker Complement ..... Woofer: 8<sup>1</sup>/<sub>4</sub>-Inch Vacuum-Formed Polypropylene  
Midrange: 5-Inch Polypropylene  
Tweeter: <sup>3</sup>/<sub>4</sub>-Inch Mylar Dome

Impedance ..... 8 Ohms (Nominal)

Frequency Response ..... 45 Hz–20 kHz

Power Handling (RMS) ..... 100 Watts

Maximum Power ..... 200 Watts

Sensitivity ..... 88 dB

Dimensions (H×W×D) ..... 34 × 9<sup>1</sup>/<sub>2</sub> × 11 Inches  
(863 × 241 × 279 mm)

Shipping Weight ..... 26 lbs (11.8 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### RadioShack Limited Warranty

This product is warranted against defects for 5 years from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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